



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
WASHINGTON, D.C. 20460

OFFICE OF  
AIR AND RADIATION

December 9, 2020

Dear ENERGY STAR® Pool pumps Partner or Other Interested Party:

With this letter, the Environmental Protection Agency (EPA) is pleased to share a [draft of the Version 3.1 ENERGY STAR specification](#) for Pool Pumps, which amends the optional connected criteria. EPA has maintained optional criteria for connected functionality in ENERGY STAR specifications for numerous products since 2011. In response to broad interest in criteria for large loads of particular value to the grid, the Agency is advancing this work and proposing modest updates to the optional connected criteria for ENERGY STAR certified pool pumps. This process will be completed by July 2021, and the Version 3.1 specification will supersede the Version 3.0. EPA expects that these updates will not affect ENERGY STAR certification for any products, and that products currently certified as connected will meet these updated criteria as well.

Connected criteria include the following:

- As is typical for connected criteria in ENERGY STAR specifications, EPA proposes remote management, energy reporting, and user alerts be available, supported by open standards with access for 3<sup>rd</sup> parties.
- The pool pumps manufacturer remains responsible for product safety and is expected to ignore any remote requests that interfere with it.
- EPA proposes to require either CTA 2045 or OpenADR 2.0 compliance for Connected Pool Pump System. This will encourage national compatibility of demand response infrastructure and product hardware. This is aligned with EPA's strategy for large load products to provide grid services more easily.
- In addition, certain requests have been mapped to specific CTA 2045 and OpenADR 2.0 messages, in order to further encourage compatibility of demand response infrastructure and products.
- Some elements of the connected criteria have been rearranged, and definitions pertaining only to connected moved to the connected section, without any changes in meaning. These changes are aligned with efforts to standardize how connected criteria for ENERGY STAR products are expressed.

EPA will hold a webinar to discuss the proposed criteria on December 16<sup>th</sup> from 2:00- 4:00pm ET; please RSVP [here](#) for the specification and test method webinar. We encourage stakeholder feedback on the Draft 1, Version 3.1 ENERGY STAR Pool Pumps Product specification. Please submit any comments to [Poolpumps@energystar.gov](mailto:Poolpumps@energystar.gov) by January 12, 2021. Based on current circumstances, this comment period has been extended to 6 weeks.

All comments will be posted to the ENERGY STAR [Product Development website](#) unless the submitter requests otherwise.

Please direct any questions specific to the connected criteria to Abigail Daken at EPA, [Daken.Abigail@epa.gov](mailto:Daken.Abigail@epa.gov), or 202-343-9375, Abhishek Jathar at ICF, [Abhishek.Jathar@icf.com](mailto:Abhishek.Jathar@icf.com) or 202-862-1203 and Theo Keeley-LeClaire at ICF, [Theo.Keeley-LeClaire@icf.com](mailto:Theo.Keeley-LeClaire@icf.com) or 571-373-5471. General questions regarding the Pool Pumps specification may be directed to James Kwon at EPA,

[Kwon.James@epa.gov](mailto:Kwon.James@epa.gov) or 202-564-8538, as well as the ICF contacts listed above. Please direct demand response test procedure questions to Jeremy Domm, U.S. Department of Energy, [Jeremy.Domm@ee.doe.gov](mailto:Jeremy.Domm@ee.doe.gov) or 202-586-9870.

Thank you for your continued support of the ENERGY STAR program.

Sincerely,

A handwritten signature in cursive script, appearing to read "Abigail Daken".

Abigail Daken  
EPA Product Manager, ENERGY STAR HVAC and Connected

Enclosures:  
[ENERGY STAR Pool Pumps Version 3.1 Draft Specification](#)